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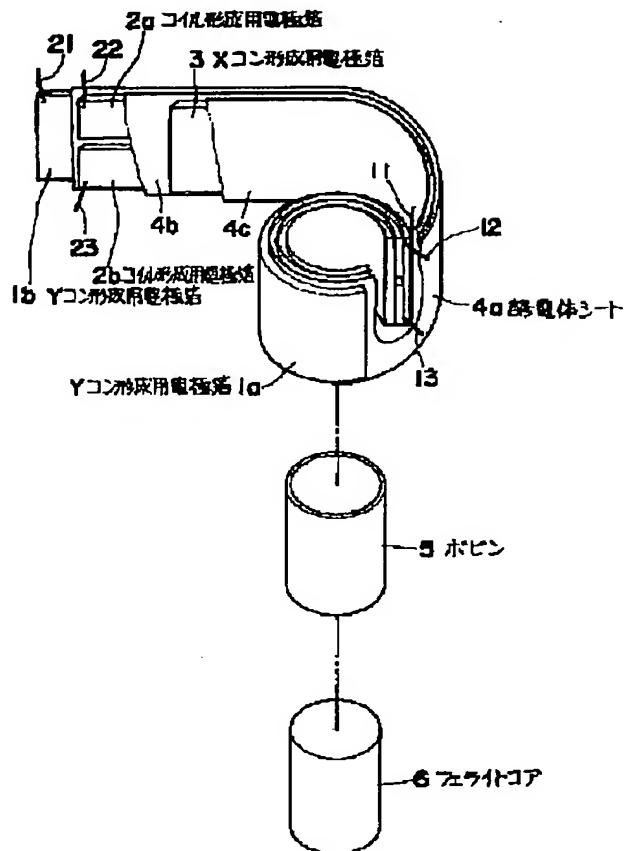
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TITLE : LC COMPOSITE ELEMENT



ABSTRACT : PURPOSE: To provide an LC composite element, which is constituted as a complete balanced circuit and is optimum as a common mode noise filter.

CONSTITUTION: An LC composite element is constituted into a structure, wherein electrode foils and dielectric sheets 4a are wound on a magnetic core (a ferrite core) 6 in a state that the foils and the sheets 4a are alternately superposed and an LC balanced circuit consisting of capacitors and a coil is formed. The electrode foils 2a for coil formation use are respectively held between the electrode foils 3 for X capacitor formation use and the electrode foils 1a and 1b for Y capacitor formation use to constitute respectively the electrode foils in three layers, the foils 3 are provided in the total width of the core and extending over the total length in the winding direction, the foils 1a and 1b are respectively provided at the starting end and the terminal in the winding direction in the total width in the width direction of the core and the foils 2a are provided side by side extending over the total length in the winding direction via a slit (a bobbin) 5.

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